

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
17 February 2005 (17.02.2005)

PCT

(10) International Publication Number
WO 2005/015910 A1

(51) International Patent Classification?: **H04N 7/14**

(21) International Application Number:
PCT/KR2003/001998

(22) International Filing Date:
30 September 2003 (30.09.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10-2003-0054530 7 August 2003 (07.08.2003) KR

(71) Applicants (for all designated States except US): SK
TELECOM CO., LTD. [KR/KR]; 99, Seorin-dong, Jon-
gro-gu, Seoul 110-110 (KR). DIGITAL ARIA CO., LTD.
[KR/KR]; 405 Korea Design Center, 344-1 Yatop 1-dong,
Bundang-gu, Seongnam City, Kyonggi-do 463-070 (KR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): NAM, Gi-Seon
[KR/KR]; #124-1001 SK Bukhansancity Apt., Mia 6-dong,
Gangbuk-gu, Seoul 142-106 (KR). LEE, Choong-Hwan
[KR/KR]; 405 Korea Design Center, 344-1 Yatop 1-dong,
Bundang-gu, Seongnam City, Kyonggi-do 463-070
(KR). OH, Hwang-Seok [KR/KR]; 405 Korea Design
Center, 344-1 Yatop 1-dong, Bundang-gu, Seongnam

City, Kyonggi-do 463-070 (KR). PARK, Kyeong-Ryeol
[KR/KR]; 405 Korea Design Center, 344-1 Yatop 1-dong,
Bundang-gu, Seongnam City, Kyonggi-do 463-070 (KR).
AHN, Jea-Woo [KR/KR]; 405 Korea Design Center,
344-1 Yatop 1-dong, Bundang-gu, Seongnam City, Ky-
onggi-do 463-070 (KR).

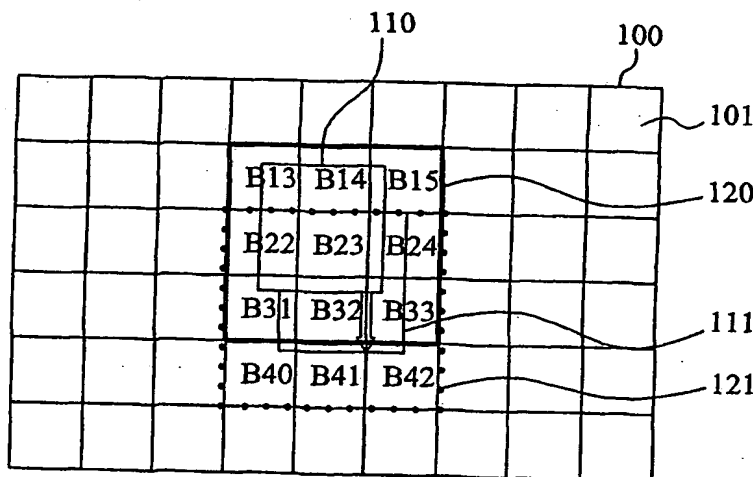
(74) Agents: KIM, Seong-Nam et al.; 17th Floor, City Air
Tower, 159-9 Samsung-dong, Gangnam-gu, Seoul 135-973
(KR).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,
GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC,
SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: METHOD FOR DISPLAYING HIGH RESOLUTION PICTURE IN MOBILE COMMUNICATION TERMINAL, MO-
BILE COMMUNICATION TERMINAL AND SYSTEM FOR CONVERTING PICTURE FILE FORMAT THEREFOR



(57) Abstract: The present invention discloses a method for displaying a high resolution picture in a mobile communication terminal having a low resolution display means, the mobile communication terminal and a system for converting a picture file format therefor. The method for displaying the high resolution picture in the mobile communication terminal includes the steps of: dividing picture data into a plurality of unit blocks, and converting the picture data into a picture file format including the plurality of unit block picture data and indexes for access to each of the block picture data; extracting minimum unit block picture data composing a partial picture which will be initially outputted to a display unit from the picture file by using the index information of the picture file format, and outputting the initial picture; and

extracting the corresponding unit block picture data from the picture file in the movement direction by using the index information of the picture file format in accordance with generation of scroll action during the display of the picture, and outputting the position-moved picture.



Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.